

set forth in claim 36,

wherein the key information is recorded in address information recorded in the record medium.

--47. (Amended) The recording and reproducing method as set forth in claim 46,

wherein the record medium is a disc-shaped record medium; and

a³ the address information is recorded in a lead-in area of the disc-shaped record medium.

--48. (Amended) The recording and reproducing method as set forth in claim 47,

wherein the address information is recorded such that grooves pre-formed on the disc-shaped record medium are wobbled; and

the record medium type information is embedded at predetermined intervals in the address information.--

REMARKS

Claims 1-32 and 34-48 remain in the application and have been amended hereby.

As will be noted from the Declaration, Applicants are citizens and residents of Japan and this application originated there.

Accordingly, the amendments to the specification are made to place the application in idiomatic English, and the claims

are amended to place them in better condition for examination.

An early and favorable examination on the merits is earnestly solicited.

Respectfully submitted,
COOPER & DUNHAM, LLP

A handwritten signature in cursive script, reading "Jay H. Maioli".

Jay H. Maioli
Reg. No. 27,213

JHM/AVF/pmc

VERSION WITH MARKINGS TO SHOW CHANGES MADEIN THE ABSTRACT OF THE DISCLOSURE

The Abstract of the Disclosure has been amended as follows:

--A recording [and/or] and reproducing method for a record medium[, the method comprising] including the steps of reading type information from the record medium when data is recorded to or reproduced [to or] from the record medium on which [at least] the type information [has been] is recorded[,]; reading type information from a recording [and/or] and reproducing apparatus for the record medium[,]; comparing the type information [that has been] read from the record medium with the type information [that has been] read from the apparatus[,]; and performing a recording or reproducing process for the record medium using information corresponding to the type information stored in the apparatus when the type information [that has been] read from the record medium matches the type information [that has been] read from the apparatus.--

IN THE CLAIMS

Claims 1-32 and 34-48 have been amended as follows:

--1. (Amended) A recording [and/or] and reproducing method for a record medium, [the method] comprising the steps of:
reading record medium type information from the record

medium when data [is] are recorded [or] to the record medium and reproduced [to or] from the record medium on which [at least] the record medium type information has been recorded;

reading apparatus type information from a recording [and/or] and reproducing apparatus for the record medium;

comparing the record medium type information [that has been] read from the record medium with the apparatus type information [that has been] read from the apparatus; and

performing one of a recording [or] process and a reproducing process for the record medium using information corresponding to the apparatus type information stored in the apparatus when the record medium type information [that has been] read from the record medium matches the apparatus type information [that has been] read from the apparatus.

--2. (Amended) The recording [and/or] and reproducing method [for the record medium] as set forth in claim 1, [the method] further comprising the step of:

determining which of the record medium type information [that has been] read from the record medium [or] and the apparatus type information [that has been] read from the apparatus is type information that represents a later generation when the record medium type information [that has been] read from the record medium does not match the apparatus type information [that has been] read from the apparatus.

--3. (Amended) The recording [and/or] and reproducing

method [for the record medium] as set forth in claim 2, [the method] further comprising the step of:

canceling the recording [or] process and the reproducing process when [the determined] a result of the determining step represents that the record medium type information [that has been] read from the record medium is type information that represents a [later] generation later than a generation represented by the apparatus type information [that has been] read from the apparatus.

--4. (Amended) The recording [and/or] and reproducing method [for the record medium] as set forth in claim 3, [the method] further comprising the step of:

performing an indication for prompting [the] a user to obtain type information that represents the later generation.

--5. (Amended) The recording [and/or] and reproducing method [for the record medium] as set forth in claim 2, [the method] further comprising the step of:

performing the recording [or] process and the reproducing process using information corresponding to the apparatus type information stored in the apparatus when [the determined] a result of the determining step represents that the type apparatus information [that has been] read from the apparatus is type information that represents a [later] generation later than a generation represented by the record medium type information [that has been] read from the record medium.

--6. (Amended) The recording [and/or] and reproducing method [for the record medium] as set forth in claim 5, [the method] further comprising the step of:

performing an indication that represents that the record type information [that has been] read from the record medium is former type information.

--7. (Amended) The recording [and/or] and reproducing method [for the record medium] as set forth in claim 5,

wherein [a recording process of] the recording [or reproducing] process [is a process including] includes an encrypting process using information corresponding to the apparatus type information stored in the apparatus[,] and

[wherein a reproducing process of] the [recording or] reproducing process [is a process including] includes a decrypting process using the information corresponding to the apparatus type information stored in the apparatus.

--8. (Amended) The recording [and/or] and reproducing method [for the record medium] as set forth in claim 1, [the method] further comprising the steps of:

performing an encoding process for data recorded on the record medium using information corresponding to the apparatus type information stored in the apparatus; and

performing a decoding process for data [that has been] read from the record medium.

--9. (Amended) The recording [and/or] and reproducing method [for the record medium] as set forth in claim 8,

wherein the encoding process [is a process including] includes an encrypting process using information corresponding to the apparatus type information stored in the apparatus[,]; and

[wherein] the decoding process [is a process including] includes a decrypting process using the information corresponding to the apparatus type information stored in the apparatus.

--10. (Amended) The recording [and/or] and reproducing method [for the record medium] as set forth in claim 9,

wherein the information corresponding to the apparatus type information stored in the apparatus is key information.

--11. (Amended) A recording [and/or] and reproducing method for a record medium, [the method] comprising the steps of:

reading address information from the record medium when data [is] are one of recorded [or] to and reproduced [to or] from the record medium on which the address information [has been] is recorded, the address information including [at least] address type information;

extracting the address type information from the address information that has been read;

reading apparatus type information from a recording

[and/or] and reproducing apparatus for the record medium;

comparing the extracted address type information [that has been extracted] with the address type information [that has been] read from the apparatus; and

performing one of a recording [or] process and a reproducing process for the record medium using information corresponding to the apparatus type information stored in the apparatus when the extracted address type information [that has been extracted] matches the apparatus type information [that has been] read from the apparatus.

--12. (Amended) The recording [and/or] and reproducing method [for the record medium] as set forth in claim 11, [the method] further comprising the step of:

determining which of the extracted address type information [that has been extracted or] and the apparatus type information [that has been] read from the apparatus is type information that represents a later generation when the extracted address type information [that has been extracted] does not match the apparatus type information [that has been] read from the apparatus.

--13. (Amended) The recording [and/or] and reproducing method [for the record medium] as set forth in claim 12, [the method] further comprising the step of:

canceling the recording [or] process and the reproducing process when [the determined] a result of the determining step

represents that the extracted address type information [that has been extracted] is type information that represents a [later] generation later than the apparatus type information [that has been] read from the apparatus.

--14. (Amended) The recording [and/or] and reproducing method [for the record medium] as set forth in claim 13, [the method] further comprising the step of:

performing an indication for prompting [the] a user to obtain type information that represents the later generation.

--15. (Amended) The recording [and/or] and reproducing method [for the record medium] as set forth in claim 12, [the method] further comprising the step of:

performing the recording [or] process and the reproducing process using information corresponding to the apparatus type information stored in the apparatus when [the determined] a result of the determining step represents that the apparatus type information [that has been] read from the apparatus is type information that represents a [later] generation later than the extracted address type information [that has been extracted].

--16. (Amended) The recording [and/or] and reproducing method [for the record medium] as set forth in claim 15, [the method] further comprising the step of:

performing an indication that represents that the

extracted address type information [that has been extracted] is former type information.

--17. (Amended) The recording [and/or] and reproducing method [for the record medium] as set forth in claim 15,

wherein [a] the recording process [of the recording or reproducing process is a process including] includes an encrypting process using information corresponding to the apparatus type information stored in the apparatus[,]; and

[wherein a] the reproducing process [of the recording or reproducing process is a process including] includes a decrypting process using the information corresponding to the apparatus type information stored in the apparatus.

--18. (Amended) The recording [and/or] and reproducing method [for the record medium] as set forth in claim 11, [the method] further comprising the steps of:

performing an encoding process for the data recorded on the record medium using information corresponding to the apparatus type information stored in the apparatus; and

performing a decoding process for the data that [has been] are read from the record medium.

--19. (Amended) The recording [and/or] and reproducing method [for the record medium] as set forth in claim 18,

wherein the encoding process [is a process including] includes an encrypting process using the information

corresponding to the apparatus type information stored in the apparatus[,]; and

[wherein] the decoding process [is a process including] includes a decrypting process using the information corresponding to the apparatus type information stored in the apparatus.

--20. (Amended) The recording [and/or] and reproducing method [for the record medium] as set forth in claim 19, wherein the information corresponding to the apparatus type information stored in the apparatus is key information.

--21. (Amended) The recording [and/or] and reproducing method [for the record medium] as set forth in claim 11, wherein the record medium is a disc-shaped record medium[,]; and

[wherein] the address information [has been] is recorded in a lead-in area of the disc-shaped record medium.

--22. (Amended) The recording [and/or] and reproducing method [for the record medium] as set forth in claim 21, wherein the address information [has been] is recorded [in] such [a manner] that grooves pre-formed on the disc-shaped record medium [have been] are wobbled[,]; and

[wherein] the type information [have been] is embedded at predetermined intervals [to] in the address information.

--23. (Amended) A recording [and/or] and reproducing apparatus for a record medium, the apparatus comprising:

a head portion for scanning the record medium on which [at last] record medium type information [has been] is recorded;

a signal processing portion for supplying record data to be recorded on the record medium to [said] the head portion and for performing a decoding process for data [that has been] read from the record medium by [said] the head portion;

a storing portion for storing storing type information and information corresponding [thereto] to the storing type information; and

a controlling portion for: reading the record medium type information from the record medium[,]; reading the storing type information from [said] the storing portion[,]; comparing the record medium type information [that has been] read from the record medium with the storing type information [that has been] read from [said] the storing portion[,]; and causing [said] the processing portion to perform one of a recording [or] process and a reproducing process for the record medium using information corresponding to the storing type information stored in [said] the storing portion when the record medium type information [that has been] read from the record medium matches the storing type information [that has been] read from [said] the storing portion when the data [is] are recorded [or] to the record medium and reproduced [to or] from the record medium.

--24. (Amended) The recording [and/or] and reproducing apparatus [for the record medium] as set forth in claim 23, wherein said controlling portion [has] includes:

a comparing portion for comparing the record medium type information [that has been] read from the record medium with the storing type information [that has been] read from [said] the storing portion.

--25. (Amended) The recording [and/or] and reproducing apparatus [for the record medium] as set forth in claim 23, wherein [said] the controlling portion determines which of the record medium type information [that has been] read from the record medium [or] and the storing type information [that has been] read from [said] the storing portion is type information that represents a later generation when the record medium type information [that has been] read from the record medium does not match the storing type information [that has been] read from [said] the storing portion.

--26. (Amended) The recording [and/or] and reproducing apparatus [for the record medium] as set forth in claim 25, wherein [said] the controlling portion causes [said] the signal processing portion to cancel the process when the record medium type information [that has been] read from the record medium is type information that represents a [later] generation later than a generation represented by the storing type information [that has been] read from said storing portion.

--27. (Amended) The recording [and/or] and reproducing apparatus [for the record medium] as set forth in claim 26, the apparatus further comprising:

a displaying portion,

wherein [said] the controlling portion causes [said] the displaying portion to perform an indication for prompting [the] a user to obtain the type information that represents the later generation.

--28. (Amended) The recording [and/or] and reproducing apparatus [for the record medium] as set forth in claim 25,

wherein [said] the controlling portion causes [said] the signal processing portion to perform the process using information corresponding to the storing type information stored in [said] the storing portion when the storing type information [that has been] read from [said] the storing portion is type information that represents a [later] generation later than a generation represented by the record medium type information [that has been] read from the record medium.

--29. (Amended) The recording [and/or] and reproducing apparatus [for the record medium] as set forth in claim 28, the apparatus further comprising:

a displaying portion,

wherein [said] the controlling portion causes [said] the displaying portion to perform an indication that represents

that the record medium type information [that has been] read from the record medium is former type information.

--30. (Amended) The recording [and/or] and reproducing apparatus [for the record medium] as set forth in claim 23,

wherein [said] the signal processing portion performs a process including an encrypting process using information corresponding to the storing type information stored in [said] the storing portion and a process including a decrypting process using information corresponding to the storing type information stored in [said] the storing portion.

--31. (Amended) The recording [and/or] and reproducing apparatus [for the record medium] as set forth in claim 30,

wherein the information corresponding to the storing type information stored in [said] the storing portion is key information[,]; and

[wherein] the type information is information that represents a generation of the key information.

--32. (Amended) A record medium on which address information including type information that represents a generation of information for performing an encrypting process for [at least] data to be recorded [has been] is recorded.

--34. (Amended) The record medium as set forth in claim 32,

wherein the record medium is a disc-shaped record medium[,]; and

[wherein] the address information [has been] is recoded in a lead-in area of the disc-shaped record medium.

--35. (Amended) The record medium as set forth in claim 34,

wherein the address information [has been] is recorded [in] such [a manner] that grooves pre-formed on the disc-shaped record medium [have been] are wobbled[,]; and

[wherein] the type information [has been] is embedded at predetermined intervals [to] in the address information.

--36. (Amended) A recording [and/or] and reproducing method for a record medium, [the method] comprising the steps of:

reading record medium type information of key information from the record medium when data [is] are one of recorded [or] to the record medium and reproduced [to or] from the record medium on which [at least] the type information of the key information [has been] is recorded;

reading apparatus type information of key information from a recording [and/or] and reproducing apparatus for the record medium;

comparing the record medium type information [that has been] read from the record medium with the apparatus type information [that has been] read from the apparatus; and

controlling one of a recording [or] operation and a reproducing operation corresponding to a compared result of the comparing step.

--37. (Amended) The recording [and/or] and reproducing method [for the record medium] as set forth in claim 36, [the method] further comprising the step of:

recording [or] data to the record medium and reproducing data [to or] from the record medium using information corresponding to the apparatus type information stored in the apparatus when the record medium type information [that has been] read from the record medium matches the apparatus type information [that has been] read from the apparatus.

--38. (Amended) The recording [and/or] and reproducing method [for the record medium] as set forth in claim 37, [the method] further comprising the step of:

determining which of the record medium type information [that has been] read from the record medium [or] and the apparatus type information [that has been] read from the apparatus is type information that represents a later generation when the record medium type information [that has been] read from the record medium does not match the apparatus type information [that has been] read from the apparatus.

--39. (Amended) The recording [and/or] and reproducing method [for the record medium] as set forth in claim 38, [the

method] further comprising the step of:

canceling the recording [or] process and the reproducing process when [the determined] a result of the determining step represents that the record medium type information [that has been] read from the record medium is type information that represents a [later] generation later than a generation represented by the apparatus type information [that has been] read from the apparatus.

--40. (Amended) The recording [and/or] and reproducing method [for the record medium] as set forth in claim 39, [the method] further comprising the step of:

performing an indication for prompting [the] a user to obtain the type information that represents the later generation.

--41. (Amended) The recording [and/or] and reproducing method [for the record medium] as set forth in claim 38, [the method] further comprising the step of:

performing the recording [or] process and the reproducing process using information corresponding to the apparatus type information stored in the apparatus when [the determined] a result of the determining step represents that the apparatus type information [that has been] read from the apparatus is type information that represents a [later] generation later than a generation represented by the record medium type information [that has been] read from the record medium.

--42. (Amended) The recording [and/or] and reproducing method [for the record medium] as set forth in claim 41, [the method] further comprising the step of:

performing an indication that represents that the record medium type information [that has been] read from the record medium is former type information.

--43. (Amended) The recording [and/or] and reproducing method [for the record medium] as set forth in claim 41,

wherein [a] the recording process [of the recording or reproducing process is a process including] includes an encrypting process using information corresponding to the apparatus type information stored in the apparatus[,] and

[wherein a] the reproducing process [of the recording or reproducing process is a process including] includes a decrypting process using the information corresponding to the apparatus type information stored in the apparatus.

--44. (Amended) The recording [and/or] and reproducing method [for the record medium] as set forth in claim 36, [the method] further comprising the steps of:

performing an encoding process for data [to be] recorded to the record medium using information corresponding to the apparatus type information stored in the apparatus; and

performing a decoding process for data [that has been] read from the record medium using the information corresponding to the apparatus type information stored in the apparatus.

--45. (Amended) The recording [and/or] and reproducing method [for the record medium] as set forth in claim 44,

wherein the encoding process [is a process including] includes an encrypting process using the information corresponding to the apparatus type information stored in the apparatus[,]; and

[wherein] the decoding process is a process including a decrypting process using the information corresponding to the apparatus type information stored in the apparatus.

--46. (Amended) The recording [and/or] and reproducing method [for the record medium] as set forth in claim 36,

wherein the key information [has been] is recorded in address information [that has been] recorded in the record medium.

--47. (Amended) The recording [and/or] and reproducing method [for the record medium] as set forth in claim 46,

wherein the record medium is a disc-shaped record medium[,]; and

[wherein] the address information [has been] is recorded in a lead-in area of the disc-shaped record medium.

--48. (Amended) The recording [and/or] and reproducing method [for the record medium] as set forth in claim 47,

wherein the address information [has been] is recorded [in] such [a manner] that grooves pre-formed on the disc-shaped

record medium [have been] are wobbled[,]; and

[wherein] the record medium type information [have been]
is embedded at predetermined intervals [to] in the address
information.--